

244,124  
The Operating Experience of the Tailings Dam of  
the Zyryanovsk Concentrating Plant, by  
Yu. I. Fil'shin, N. B. Karataev, 5 pp.

RUSSIAN, per, Tsvetnye Metally, Vol III, No 7, 1962  
86-88.

PS

Sci "  
Dec 63

244,125

The Preparation of Young Soviet Scholars, by N. K.  
Karatsayev, 10 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 1, Jan 1948.

CIA/TID/X-82

USSR  
Sociological  
CTS/DEX

9379

Double Magnetic Mass Spectrometer for the Analysis  
of Minor Constituents, by M. I. Ionov, V. I. Kharatayev,  
6 pp.

RUSSIAN, rpt, 30 October 1961, 5206069.

ABO Tr 5622

Sci - Phys

May 63

230,592

Hard Gold Plating, by A. G. Atanesyants, N  
T. Kudr'yavtsev, and V. M. Karatayev, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXX, No 6,  
1957, pp 876-881.

Consultants Bureau

Sci - Chem

Sep 58

73, 210

Reaction of Organosilicon Compounds With Phosphorus  
Chlorides, by A. P. Kreshkov, D. A. Karateyev, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 10,  
1957, pp 2715-2720

Consultants Bureau

Sci - Chem  
Jan 59

78,956

(FDD 18387)

Data on the Serum Therapy of Influenza, by P. G.  
Goshteyn, A. S. Levinson, Z. A. Semakova, A. G.  
Chetverikov, N. M. Vital, N. A. Belevintseva,  
I. G. Karatayeva, N. N. Malkova, R. Ye. Gal'shteyn,  
Ye. G. Korabishcher, A. A. Krums, K. I. Katveyeva,  
24 pp.

RUSSIAN, bk, Voprosy Meditsinskoy Virusologii,  
Moscow, No 2, 1949, pp 278-287.

CIA/PTP/U-3455

L. 158

Sci - Med

10,363

Feb 54

Reactions of Alkylalkoxy Silanes with Phosphoric  
Anhydride, by A. P. Kreshkov, D. A. Karatoyev,  
5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 2, 1959,  
pp 369-373

Consultants Bureau

Sci

Feb 60

108,081

Investigations of the Reactions Between Tetra-  
alkoxysilanes and Phosphoric Anhydride, by A. P.  
Kreshkov, D. A. Karateyev, 5 pp.

RUSSIAN, per, Zhur Prii Khim, Vol XXX, No 9, 1957,  
pp 1414-1420.

6

Consultants Bureau

Sci - Chem

Dec 58

77,742



The Wear of the Working Elements of Soil  
Cultivation Implements, by A. Karatish. UNCL

RUSSIAN, per, Mash Trak Stants, No 11, Vol XV,  
pp 30-32.

Sci Mus Lib 58/1517

Sci - Engr  
Mar 59

82, 456

8-628/62

Multiplication of Many-Valued Numbers on Automatic  
Machines, by A. Karatsuba, Yu. Ginn, 5 pp. UNCL.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 2, 1962,  
pp 293-294.

JPRS/E DC-8176

Sci - Math

Sep 62

211,864

Karatsuba, A. A.

SOLUTION OF A PROBLEM FROM THE THEORY  
OF FINITE AUTOMATA. [1960] 4p. 1 ref.

Order from MDF \$2.50 MDF K-218

Trans. of Usp[ekhi] Matem[aticheskikh] Nauk (USSR)  
1960, v. 15, no. 3(93), p. 157-159. 9077737

(Mathematics--Computing Devices, TT, v. 5, no. 7)

61-12548

1. Mathematical computers--  
Theory
2. Title: Automata
- I. Karatsuba, A. A.
- II. MDF K-218
- III. Friedman, Morris D.,  
Inc., West Newton, Mass.

Office of Technical Services

Reactions of Di- and Trifunctional Alkylalkoxy-  
colones with Phosphorus Pentoxide, by A. P.  
Krasnikov, D. A. Karatyev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. XXII, No 12,  
1959, pp 4082-4084.

CB

Sci

No 60

133,247

Reactions of Di- and Trifunctional Alkylalkoxy-  
silanes with Phosphorus Pentoxide, by A. P.  
Kreshkov, D. A. Karatyev, 4 pp.

RUSSIAN, per, Zhur Obshch khim, Vol XXIX, No 12,  
1959, pp 4082-4084.

CB

Sci

No 60

133,247

DISTRIBUTION OF INITIAL VELOCITIES OF ELECTRONS  
K IONS, AND CL- IONS FORMED BY SURFACE  
IONIZATION OF KCL ON TUNGSTEN AND TANTALUM,  
BY N. I. IONOV, V. I. KARAYEV, 5 PP.

RUSSIAN, PER, DOKL. AKADEM. NAUK SSSR, VOL. XXXII, NO 5,  
1962, PP 626-631.

AMER INST OF PHYS  
SOV PHYS - TECH PHYS  
VOL VII , NO 5

SCI  
FEB 63

221,607

A Study of the Reverse Conductivity in Planar  
Diodes for the Development of New Pulse  
Circuits, by B. A. Mamyrin, V. A. Karatygin,  
6 pp.

RUSSIAN, per, Radiotekh i Elektron, No 6, 1962.

AIEE

Sci  
Jun 63

234,060

Isolation of Serine-Specific Transfer Ribonucleic Acid Fraction, by W. Karau, H. H. Zachau,  
GROTH, 1964, Bioclinica et Biophysica Acta,  
Vol 31, 1964, pp 549-559.  
AUC 00000000-540

70

HEW NIH 3-20-65

W KARAU

Sci/Rncleng Sci  
Feb 67

512,464



Replacing Steel Flange Inserts by Graphitic  
Inserts, by S. A. Zhikharevich, A. G. Karaulov,  
et al, 6 pp.

RUSSIAN, par, Ognepriory, No 9-10, 1963,  
pp 437-442.

CB

Sci

May 64

259, 233

Use of Radioactive Calcium for Studying the  
Contamination of Steel by Refractory Particles  
During Pouring, by O. M. Margulis, A. G. Karaulov.

RUSSIAN, no per, Ogozupory, Vol XXI, No 6, 1956,  
pp 253-258.

Henry Bratcher

Tr No 3849

\$4.90

45,119

Sci - Min/Metals  
Mar 1957 CTS/dex

Synthesis of 2- and 3-Alkyl-1-phenylindoles, by  
R. N. Kuznetsov, D. Sh. Hailanov, G. D. Gailanov,  
5 pp.

RUSSIAN, Dokl. Akad. Nauk SSSR, Vol. 211, No. 10,  
1960, pp 3292-3296

CS

177, 783

Sci

Oct 61

Reduction of Sulfoxides, by E. N. Karaulova,  
G. D. Gal'pern, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,  
1959, pp 3033-3035.

CB

Sci

Sep 60

129,307

Conclusions of  
"Precipitation of Sulfur Compounds With Stannic  
Chloride," by Ye. N. Karaulova, A. S. Nekrasov, 2 pp.

RUSSIAN, no per, Trudy Instituta Nefti, Vol VIII,  
1956, p 67, Encl to IR 1008-57, AFOTIV-1A1.

AF 1071264

Sci - Fuels  
Feb 1957 CTS

44, 110

On the Oxidation of Sulfides With Hydrogen Peroxide, by E. N. Karaulova.

RUSSIAN, no per, Khim i Tekh Topliva, No 9, 1956, pp 39-44.

Tech and Comm

\$35.00

Sci - Chemistry  
Feb 1957 CEB/dex

43,942

Reactions of 2-Bromoethyl Phenyl Ether in Presence of  
Zinc Chloride and a Mixture of Zinc and Aluminum  
Chlorides, by E. N. Karaulova, G. D. Galpern, 2 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 5, Sep/Oct 1955, № 949. CIA 542763 C, reel 3

Consultants Bureau

Sci - Chemistry

37,912

Aug 1956

The Claisen Rearrangement in the Allyl Aryl  
Sulfide Series, by E. N. Kargulova, D. Sh.  
Meilanova, G. D. Galpern, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII,  
No 6, pp 1260-1262.

1451 Consultants Bureau

Sci - Chem  
Aug 58

61. 76



An Oxidation Method for the Separation of  
Sulfides From the Intermediate Fractions of  
Crude Oil, by E. N. Karaulova, G. D. Gal'pern.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 3.  
1959, pp 583-585.

ATS RJ-1932

*PIDF K-177*

Sci - Chem

Dec 59

*104,100*

Some Thiolfomic Esters, by Ya. L. Gol'dfarb,  
E. N. Karaulova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 6, 1959, pp1102-1105.

CB

Sci

Jun 61

157, 915

The Thermal Isomerization of Allylaryl Sulfides,  
by E. M. Maraulova, D. Sh. Moiseyeva, G. D.  
Galpern, 6 pp.

RUSSIAN, per, Khim Obshch Khim, Vol XIVII, No 11,  
1977, pp 3034-3040.

Consultants Bureau

Sci - Chem

Jan 59

78,805

A Method of Computation of Turbidity and Deformation  
of Beds of Reservoirs and Rivers, by A.V. Karavshin.  
RUSSIAN, per, Geol. and Tech. Engrg. 1963, vol.100,  
pp.68-95.  
ASU

*A.V. Karavshin*

E.S.1  
Aug 66

307,793

42  
A Method of Preparation of Fluorinated  
P-Alkyl Phosphane Compounds, by  
V. V. Ignatko, L. V. Karavonov, 2 pp.  
RUSSIAN, Patent No. 182152, 26 Mar 1963, 2 pp.  
AIA/FTD/RT-23-1060-67

*K. V. Karavonov*

Sci-Chem  
Jan 69

7M 69

56  
Nitrogen-Fixing Nodules on the  
Roots of Fossil Alder, by M. N. Karavaev.  
RUSSIAN, per, Doklady Akademii Nauk  
Vol XLIV, No 7, 1959, pp 1000-1001.  
\*CSTI TT 66-51102

*M. N. Karavaev*

Sci-M. Sci  
Mar 66

54

Physiology and Biochemical Activity of Thiacetamide,  
by G. A. Serebrennaya & G. I. Karavaiko.  
Moscow, in: *Biokhimiya i meditsina*  
*Acute Toxicity of Thiacetamide*, 1964.  
COSTI IT 64-3593

G. I. Karavaiko

Sci/5 & M  
May 68

356,696

Oxidation of Stored Sulfur Ore, by G.I. Karavaike  
and M.V. Ivanov.

BERESTAN, part, Soviet Geol, 1962, vol. 5, no. 12, pp.  
133-139.

AGI

*G. I. Karavaike*

R. Sci  
Aug 66

328,635



The Role of the Biological Factor in the Oxidation of  
Sulfur Compounds of the Rozdol'skoe Deposit, by  
G. I. Karnavalko, 7 pp.

RUSSIAN, <sup>8</sup> Mikrobiol, Vol XXVIII, No 6, 1959,  
pp 846-850.

AIIBS

SCI

Aug 60

123,615

(NY-6073)

The Utilization of a Commercial Television  
Installation (FTU-3) for Television Transmis-  
sions from the Operating Room, by A. G.  
Karavanov, 4 pp.

RUSSIAN, per, Khirurgiya, Vol XXXVII, No 1, 1961,  
pp 128-130.

JPRS 9212

155,591

Sci - Electron

Jun 61

Reactions of Halometal Alcoholates IX. Interaction  
of Esters of Keto Acids with Halomagnesium Alcoholates,  
by I. I. Lapkin, N. A. Karnavmov, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 8, 1960,  
pp 2677-2679.

CB

168, 787

0-7E

Sci

Sep 61

(NY-6503)

Searches and Discoveries, by G. G.  
Karavanov, 6 pp.

RUSSIAN, per, Nauka i Zhizn, No 1, 1961,  
pp 10-12.

JPRS 10013

168, ~~168~~  
622

Sci - Med

Sep 61

New Methods of Preparing Alkylidichlorophosphines  
and Dialkylchlorophosphines, by I. P. Komkov,  
K. V. Karavanov, S. Z. Ivin, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol -XXVIII,  
No 11, 1958, pp 2963-296 .

Consultants Bureau

Sci

Dec 59

10 3,138

Steric Hindrance in Organomagnesium Reactions.  
XX. Synthesis of Esters of Secondary  $\alpha$  -  
Hydroxy Acids of the Aliphatic and Alicyclic  
Series, by I. I. Lapkin, N. A. Karevanov, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXI,  
No 5, 1960, pp 1638-1642.

CB

164, 696

Sci  
Aug 61  
XXXXX

Oxidizing Action of Atmospheric Air on  
South Moscow Coal At Various Temperatures,  
by N. Karavalef, A. Ivanof.

FRENCH, par, Chimie et Industrie,  
23 Feb 1930, pp 294-300.

Broken Hill Prop Co Ltd  
(CRL/T 172)

Sci - Min/Met  
Dec 51.

175, 141

The Equations of Axisymmetrical Three-Layer Shells  
with a Light Filler, K by V. F. Karavanov, 27 pp.

RUSSIAN, bk, Prochnost' Aviatsionnykh Kon, Trudy,  
Aviats Inst, Oborongiz, Moskva, 1960, pp 110-132.  
9681623

FTD-TT-62-1652

Sci-Engr  
May 63

229,508



Separation of Chloroanilines by Partition  
Chromatography, by D. F. Kutevov, A. A. Potashnik,  
N. I. Karavaneva, 3 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. XXXII, No 8,  
1959, pp 1886.

CB

Sci

Aug 60

123,665

(DC-2700.8).

Red Clover in the Green Conveyor System ~~and~~ (Used  
as Livestock Fodder), by V. Karavashenko, 5 pp.

RUSSIAN, per, Molochnoye i Myasnoye Zhivotnovodstvo,  
No 10, 1959, pp 49-51.

JPRS 3168

USSR  
Econ - Technological  
Apr 60

114,769

Investigating a Method of Measuring Frequency  
Deviations of FM Signals by Means of Bessel  
Function Zeros, by B. K. Karavashkin, P. A.  
Sipar'on, 4 pp.

RUSSIAN, per, Izmeritel Teldi, No 8, 1960,  
pp 33-35.

ISA

Sci

155,395

Jun 61

Confidence -- A Factor in Victory, by P/ P. Karavay,  
5 pp.

RUSSIAN, per, Vest Voz Flota, No 2, 1960. 657949

ATIC

Sci  
Sep 60

127,524

Nitrogen-Fixing Root Modules on Fossil Alder, 35  
by H. N. Karavayev,  
RUSSIAN, Tr. Botanicheskoy Zhurnal, Vol XLIV,  
No 7, 1959, pp 1000-1001.  
CITE IT AS-51102

Sci-Exp  
Feb 67

11-014

Operation and Repair Practice of the Kaplan Turbine  
Impeller Chamber, by A. E. Karavayev, 4 pp.

RUSSIAN, no per, Gidrotakh Stroitel. Vol XV, No 10,  
1946, pp 8-11.

Sci Tr Center RT-365

Scientific - Engineering

10,168

Handbook of Strength Specification of Aircraft,  
Part VI, by M. P. Astakhov, A. V. Karavayev,  
S. Ya. Mazarov, Ya. Ya. Suzdal'tsev, 77 pp.  
(AF 641131)

Full tr

RUSSIAN, bk, Spravochnaya kniga po Raschetu Samolet  
na Prochnost', Moscow, 1954, pp 644-697.

ATIC 1-TS-8584/V

Sci - Aeronautics  
Feb 1957 CTRdex

44,462

A Study of the Sulfonation Reaction. XXVIII. The  
Preparation and Properties of 1,8-  
Naphthalenedisulfonic Acid, by B. I. ~~Re~~ Saravayev, A. A.  
Spryskov, 4 pp.

Full tr

RUSSIAN, no par, Zhur Obshch Khim, Vol XXVI, No 2,  
1956, pp 501-503. CIA 9007073 C, Reel No 64

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

44,709



The Sulfonation Reaction. XXXIX. The Pyrolysis  
and Isomerization of Naphthalene Trisulfonic Acids,  
by B. I. Karavayev, A. A. Spryskov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 7,  
Jul 1956, pp 2002-2004.

Consultants Bureau

Sci - Chemistry  
Box 57

55,030

The Sulfonation Reaction. XXXI. The Initial Ratios of Naphthalenedisulfonic Acids, by A. A. Spryskov, B. I. Karavayev, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII, No 10, USSR, Oct 1953, pp 1712-1715.

CIA D 151002

Consultants Bureau

Scientific - Chemistry

CTB 64/Jan 55

20,584

Naphthofuroxan. I. The Bisulfite Compound of  
Naphthofuroxan, by S. V. Bogdanov, B. I.  
Karavayev, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,  
No 10, USSR, Oct 1953, pp 1757-1760.

CIA D 151002

Consultants Bureau

Scientific - Chemistry

20,559

CTS 64/Jan 55

STRETCHING THE INVESTMENT RUBLE IN CONSTRUCTION,  
BY G. KARAVAYEV, 26 PP.

RUSSIAN, NP, EKON GAZETA, NO 24, 9 JUN 1962, PP 4, 5.

JPRS 15472

USSR  
ECON  
OCT 62

213,499

The Sulfonation Reaction. XXVI. Determination of  
Some Di- and Tri-sulfonates of Naphthalene, by  
A. A. Spryskov, B. I. Karavayev, 3 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,  
No 2, 1953, pp 254-256.

Consultants Bureau

Scientific - Chemistry

CTS/DEK

18,049

The Sulfonation Reaction. XXXII. Isomeri-  
zation of Naphthalene Disulfonic Acids, by  
A. A. Spryskov, B. I. Karavayev, 5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXXII,  
No 7, Jul 1953, USSR, pp 1182-1187.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

19,396

The Sulfonation Reaction. XXI. The Quantitative  
Determination of Several Naphthalene Disulfonic  
Acids, by A. A. Spryskov, B. I. Karavayev, 4 pp.  
UNCLASSIFIED

RUSSIAN, no per, Zhur Obshch Khim, No 9, 1952,  
pp 1620-1623,

Consultants Bureau

Scientific - Chemistry

CTH/DEX

16,986

The Sulfonation Reaction. XXIV. Hydrolysis of  
Naphthalene Disulfonic Acids, by A. A. Spryskov,  
B) I. Karavayev. 5 pp.

4

RUSSIAN, no par, Zhur Obshch Khim, Vol XXII, No 10,  
1952, pp 1871-1875.

Consultants Bureau

Scientific - Chemistry

14,473



An Ionization Chamber for Absolute Measurements of  
the Radioactivity of Preparations, by F. M. Karavaev,  
3 pp.

RUSSIAN, per, Izmeritel Tekh, No 5, 1959, pp 60-61.

Instru Soc of Amer.

Sci-Phys

119,260

Jun 60

Shortcomings in Soviet Construction Work Criticized,  
by G. Karavayev, 5 pp.  
RUSSIAN, np, Izvestiya, 9 Aug 1964, p 2.  
JPRS 27,350

USSR  
Econ  
Jan 65

271,501

(NY-1840)

PROSPECTS FOR THE DEVELOPMENT OF PRECAST  
REINFORCED CONCRETE, BY. G. A. KARAVAYEV, 5 PP.

RUSSIAN, PER, BETON I ZHELEZOBETON,  
NO 1, 1962, PP 1-7.

JPRS 14807

USSR  
ECON  
AUG 62

206,920

Structure of the Electron Energy Spectrum in  
 $\text{Th}_3\text{P}_4$  - Type Crystals, by G. F. Karavayev and  
N. V. Kudryavtseva. pp 10

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 12,  
1962, pp 3471-3481.

Amer Inst of Phys  
Sov Phys - Solid State  
Vol IV, No 12

Sci

Jun 63

340, 196

The Standardization of Radioactive Preparations, by  
K. K. Aglintsev, P. M. Karavayev, A. A. Konstantinov,  
G. P. Ostrova and E. A. Kholnova, 10 pp.

Full tr

RUSSIAN, per, Atomnaya Energiya, No 2, 1956,  
p 55.

*Page 1001*  
Consultants Bureau

Sci - Nuclear Physics  
Dec 56 CTS

*41, 571*

(NY-3000)

High-Grade Reinforcement Steels, by  
G. Karavayev, 4 pp.

RUSSIAN, np, Izvestiya, 1 Dec 1961, p 4.

JPRS 13401

USSR  
Econ  
Apr 62

190,940

60  
A Method for Obtaining Nitric Acid, by  
G. A. Shvortsov, N. N. Karavayev, et al., 2 pp.  
RUSSIAN, patent Patent No. 133194 (Appl.  
No. 393993/13-26, April 13, 1964.) 2 pp.  
R120007068  
R11-RT-23-951-67

Sci/Chemistry  
July 67

351,519

*N. N. Karavayev*

An Area for Firing From Armored Personnel Carriers,  
by Col N. Karavayev, 5 pp.

RUSSIAN, per, Voyenny Vistnik, No 6, 1962.

ASCI I0424 F  
ID 2191532

Sci  
Nov 62

216,608



Notes on Gelling Plants, by I. Ya. Pilakty,  
H. M. Shostakov, 4 pp.

REMIAN, per, Reim 1 Reim, No 10, 1961.

CHINA

Sci  
22 Jun 62

200,062

Karavaev, M. N.  
BASIC REGULARITY OF THE YAKUTIYA LAND-  
SCAPE (Osnovnye Zakonomernosti v Raspredele  
Landshaftov Yakutii) tr. by Nadia Georgovitch.  
Jan 60 [13] p. 6 refs.  
Order from OTS or SLA \$1.60

62-33094

Trans. of Nauchnye Doklady Vysshel Shkoly.  
Geologogeograficheskie Nauki (USSR) 1959, no. 2,  
p. 46-53.

DESCRIPTORS: \*Geography, Forestry, Terrain,  
Climatology, Soils.

(Earth Sciences--Geography, TT, v. 9, no. 9)

62-33094

I. Karavaev, M. N.  
II. Engineer Corps,  
Washington, D. C.

Office of Technical Services

Saturated Vapor Pressure of Highly Concentrated  
Fuming Nitric Acid, by I. M. Kagan'skiy, M. M.  
Karavayev, B. P. Sukachev, 5 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXIV,  
No 5, 1961, pp1087-1091.

CB

Sci

Feb 62

186,003

Density and Viscosity of Nitrogen Tetraoxide  
Solutions in 70% Nitric Acid, by M. M. Karavayev,  
V. A. Zheleznyy, 5 pp.  
RUSSIAN, *Proc. Acad. Sci. USSR*, Vol XXXVII, No 12,  
1963, pp 2771-2775. 980000  
FTD-TT-64-579

Sci - Chem  
Mar 65

M.M. KARAVAYEV

276,921

Regularity in Distribution of Landscape in Talantiya,  
by M. N. Karavayev.

RUSSIAN, per, Geologo-Geograficheskiye Nauk, No 2,  
1959, pp 46-53. (Call No QEL, N28, Eng Tr)

AMS

USSR  
Geo  
Mar 60

110,415

Synthesis of Surface-Active Substances from  $\alpha$ -  
Chloro Carboxylic Acids, by S. A. Dmitriyev, N. M.  
Korotkiy, 4 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Dokl Akad Nauk,  
No 10, 1961, pp 1800-1802.

CB

Sci

205,433

Jul 62

Comparative Evaluation of Material-Balance  
Equations for Plate Towers, by A. G. Evstaf'ev,  
D. D. Zykov, N. M. Karavayev, 4 pp.

RUSSIAN, per, Zhur Prih Khim, Vol XXXII, No 8,  
1959, pp 1771-1773.

CB

Sci

Aug 60

123,694

Investigation of Fossil Resin from Tkibuli  
Coals, by N. F. Budyak, N. M. Karavayev, V. I.  
Kasatochkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4,  
1960, pp 929-932.

AGI

Sci

Jun 61

157, 932



**The Contemporary Status of the Science of  
Chemistry of Formation of Fossil Fuels, by  
N. N. Karginov.**

**Dr.,  
RUSSIAN, ~~USSR~~ Khimiya i Gornost, Moscow,  
1950, pp 9-411.**

**\*Dept of Interior**

**ONS Vol IV, No 2**

**Apr 62**

61-20109

Karavaev, N. M. Blonskaya, A. I., and  
Protasova, A. M.

INVESTIGATION OF ANTHRACENE OIL FROM  
PYROLYSIS OF PETROLEUM PRODUCTS. [1961] 6p.  
12 refs.

Order from OTS or SLA \$1.10

61-20109

Trans. of Akademiya Nauk SSSR. Otdelenie  
Tekhnicheskikh Nauk. Izvestiya, 1946 [no. 4]  
p. 555-559.

DESCRIPTORS: \*Petroleum, \*Kerosene, Pyrolysis,  
Anthracenes, Oils, Chemical analysis, \*Phenanthrenes,  
Determination.

In an investigation of the anthracene oil obtained by py-  
rolysis of petroleum products pyrene was found and  
isolated from all fractions boiling within 160-200°  
(Chemistry--Analytical, TT, v. 6, no. 11) (over)

I. Karavaev, N. M.  
II. Blonskaya, A. I.  
III. Protasova, A. M.

Office of Technical Services

Investigation of the So-Called Humic Acids of  
Freshwater Sapropels, by N. M. Karavayev,  
N. P. Budyak, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXII, No 1,  
1960, pp 192-194.

AGI

Sci

166, 243

Jul 61

(NY 4880)

Tasks of the Coal-Tar Chemical Industry, by N. M.  
Karavayev, 32 pp.

RUSSIAN, per, Zhur Vsesoyuznogo Naum Obshch imeni  
D. I. Mandeleeva, Vol V, No 1, 1960, pp 2-9.

JPRS 7519

EE USSR  
Econ  
Sci - Misc  
Feb 61

139, 258

Pyrolysis of Coal with High-Frequency Current,  
by N. M. Karavayev, Yu. L. Sevast'yanov,  
6 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII,  
No 5, 1951, pp 871-874.

SLA 59-18369

Sci  
Feb 60  
Vol 2, No 10

108,866

On the Determination of Coefficients of Heat  
Exchange in a Layer of Granular Material, by  
E. M. Karavayev, V. P. Maykov. UZCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekhn Nauk,  
No 11, 1957, pp 69-74.

DSIR LLU M.944

(loan)

Sci - Phys  
Feb 60

108,389

Carbonization of Bituminous-Coal Pitch in a  
Fluidized Bed of Coke, by H. M. Karavayev, et al.  
UNCL

RUSSIAN, per, Koks i Khim, No 10, 1958, pp 29-33.

DSIR LIJ RTS 1105

12a. 6d.

Sci - Fuels  
Sep 59

95, 822

Studies of Phase Equilibria of the System  
Naphthalene- $\beta$ -Methylnaphthalene, by  
N. M. Karavayev, et al.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXI,  
No 2, 1955, pp 176-181.

Assoc Tech Sv  
RJ-523  
\$6.90 (\$1.70)

Sci - Chemistry  
Apr 1957 CTE/dex

46.781



Investigation of the Composition of Phenols  
of Primary Tars of Bituminous Brown Coals of  
the Ukrainian SSR, by N. M. Karavayev.

RUSSIAN, per, Khim i Tekhnol Top i Masel,  
No 3, 1977, pp 19-24.

Dept of Int  
US Bur of Mines  
Br of Bituminous Coal Res  
Washington. No 83

Sci - Fuels  
Apr 59

HTO 100/1212

84,624

The Use of the Chromatographic Method for  
Investigation Fractions of Peat Tars, by  
N. F. Budyak, N. M. Karsyshev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2,  
1958, pp 376, 377.

Consultants Bureau

Sci - Chem

Jun 59

88, 679

KARAVAYEV, N.M.

Chrysene, isolation from products  
of pyrolysis of kerosene.

"Izv Akad (Tekh) 1946, 555-59

UOC 650

A-4868

Karavayev, N. M.  
**TASKS OF THE COAL-TAR CHEMICAL INDUSTRY**  
(Zadachi Koksokhimicheskoy Promyshlennosti).  
12 Jan 61, 32p. 4 refs. JPRS: 7519.  
Order from OTS \$1.00

61-11797

Trans. of Vsesoyuznoye Khimicheskoye Obshchestvo.  
Zhurnal (USSR) 1960, v. 5, no. 1, p. 2-9.

(Egizmedob, --Chemical, TT, v. 5, no. 7)

61-11797

1. Coal tar--USSR
2. Chemical industry--USSR
1. Karavayev, N. M.
- II. JPRS-7519
- III. Joint Publications Research  
Service, New York

Office of Technical Services

10 605

US-4

US-5

N. M. KARAVAEV, V. P. MAIKOV

On the determination of coefficients of heat exchange in a layer  
of granular material

Izvest. Akad. Nauk SSSR, Otdel. Tekhnich. Nauk, No. 11, 69-74,  
(1957)

M944. \$ 1.80 (ph), \$ 1.80 (mf), 60-13818 - English

E u r a t o m

Karavayev, N. M. and Maykov, V. M.  
A METHOD FOR THE DETERMINATION OF HEAT  
TRANSFER COEFFICIENTS IN A BED OF GRANU-  
LAR MATERIAL (Metod Opredeleniya Koeffitsientov  
Teplootdachi v Sloye Zornistogo Materiala). [1960]  
16p. (30 equations, 6 figs. 1 table omitted) 6 refs.  
M1689.  
Order from LC or SLA mi\$2. 40, ps\$3. 30 61-13033

Trans. of Akad[emiya] Nauk SSSR. O[tdeleniye]  
T[ekhnicheskikh] N[auk]. Izv[estiya] 1956, no. 6,  
p. 89-100.

(Physics--Thermodynamics, TT, v. 5, no. 6)

61-13033

I. Heat transfer--  
Measurement

I. Karavayev, N. M.  
II. Maykov, V. M.  
III. DSIR LLU M. 1689

Office of Technical Services